IN THE CLAIMS

1. (Currently amended) A user interface for the processing and presentation of image data arranged to co-operate with a database containing the image data in a data file, a visual display unit and an input member that enables communication with a user, wherein the interface is arranged to select an image from each group of coherent image data of the data file, form a pictorial representative of the selected image and cause the representative pictorial to be displayed on the display unit, the interface being further arranged to cause the display unit to display a plurality of representative pictorials in a row adjacent one another, each pictorial being formed from an image selected from a different group of coherent image data ,and wherein said interface also being adapted to have the ability to be able to differentiate between said representative pictorials displayed on said display unit which relate to and do not relate to a particular patient selected on said interface and cause only said representative pictorials which relate to said particular patient to remain displayed on said display unit.

2. (Previously presented) A user interface as claimed in claim 1, wherein the image data is combined with attribute data in the database which characterizes a patient or the relevant image data, the interface being arranged to select, in dependence on the attribute data, feasible applications for each group of coherent image data and separately add a reference to every selected application to the image selection associated with the group of coherent image data for which the relevant application has been selected.

3. (Previously presented) A user interface as claimed in claim 2, wherein the interface is arranged to add or remove an application selected by a user to or from an image selection.

4. (Previously presented) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display feasible applications and that, after selection of an application by a user, the interface performs a selection of every group of coherent image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

5. (Previously presented)   A user interface as claimed in claim 4, wherein the interface causes the display unit to show feasible sub-functions for each application and is arranged such that each of the sub-functions is individually selectable by a user.

6. (Previously presented) A user interface as claimed in claim 1, wherein the applications are adjustable in a desired processing order.

7. (Currently amended)   A medical analysis apparatus comprising:

   a computer including a database containing image data in a data file;

   a visual display unit coupled to the computer;

   an input member; and

   a user interface coupled to the computer and the input member, the interface being arranged to select an image from a group of coherent image data of the data file, form a pictorial representative of the selected image and cause the representative pictorial to be displayed on the display unit, the interface being further arranged to cause the display unit to display a plurality of representative pictorials in a row adjacent one another, each pictorial being formed from an image selected from a different group of coherent image data ,and wherein said interface also being adapted to have the ability to be able to differentiate between said representative pictorials displayed on said display unit which relate to and do not relate to a particular patient selected on said interface and cause only said representative pictorials which relate to said particular patient to remain displayed on said display unit.

8. (Previously presented)   A user interface as claimed in claim 2, wherein the interface is arranged to cause the display unit to display feasible applications and that, after selection of an application by a user, the interface performs a selection of every group of coherent

image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

9. (Previously presented) A user interface as claimed in claim 3, wherein the interface is arranged to display feasible applications on the display unit and that, after selection of an application by a user, the interface performs a selection of every group of coherent image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

10. (Previously presented) A user interface as claimed in claim 4, wherein the applications and sub-functions are adjustable in a desired processing order.

11. (Previously presented) A user interface as claimed in claim 4, wherein the applications are adjustable in a desired processing order.

12. (Previously presented) A user interface as claimed in claim 4, wherein the sub-functions are adjustable in a desired processing order.

13. (Previously presented) A user interface as claimed in claim 1, wherein the image data is medical image data.

14. (Previously presented) A user interface as claimed in claim 1, wherein the representative pictorial is a small image showing coarse details only formed from the selected image of each group of coherent image data.

15. (Previously presented) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display only feasible applications for each group of coherent image data simultaneously and in association with the pictorial representation of the image selected from the group of coherent images.

16. (Previously presented) A user interface as claimed in claim 1, wherein the image data is combined with attribute data in the database which characterizes a patient or the relevant image data, the interface being arranged to analyze the attribute data to determine whether to display the image data upon receiving a viewing command as a film or individually as pictorials.

17. (Canceled).

18. (Previously presented) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display all applications for each group of coherent image data simultaneously and in association with the pictorial representation of the image selected from the group of coherent image data and contrast feasible applications for each group pf coherent image data with non-feasible applications.

19. (Previously presented) A user interface as claimed in claim 1, wherein the image data is combined with attribute data in the database which characterizes a patient or the relevant image data, the interface being arranged to select, in dependence on the attribute data, feasible applications for each group of coherent image data and upon selection of an application by the input member, cause the display unit to display only those representative pictorials for which the selected application is available.

Please **add** the following new claims:

20. (New) A user interface as claim in claim 1, wherein the interface is arranged to cause the display unit to display feasible applications and wherein the interface is further adapted to have the ability to differentiate between feasible applications which relate to and do not relate to said particular patient selected on said interface and cause only said feasible

applications which relate to said particular patient to remain displayed on said display unit.

21. (New)   A user interface as claim in claim 20, wherein the combination of feasible applications and the representative pictorials are displayed in a tab page structure which corresponds to a relevant hospital department's workflow.